

Amendments to the Claims

Claims 1 and 2 **(Cancelled)**

Claim 3 **(Currently Amended)** A remote operation wire line core sampling device comprising:

- a water swivel assembly;
- a drill rod coaxially connected to said water swivel assembly;
- a wire line core barrel coaxially connected to a lower end of said drill rod and having at a forward end a bit for annularly digging ground;
- an inner tube assembly detachably set in said wire line core barrel; and
- an over-shot assembly for grasping an upper end portion of said inner tube assembly,

wherein said water swivel assembly includes an upper water input port at an upper position of said water swivel assembly, said upper water input port adapted to allow pressurized fluid into said water swivel assembly, and a lower water input port at a lower position of said water swivel assembly, said lower water input port adapted to allow pressurized fluid into said water swivel assembly, and

wherein said water swivel assembly accommodates the whole of said over-shot assembly at an intermediate position thereof between said upper water input port and said lower water input port such that the pressurized fluid is supplied from said upper water input port to lower said over-shot assembly through said drill rod to an upper end of said inner tube assembly.

Claim 4 **(Currently Amended)** The remote operation wire line core sampling device according to claim 3, further comprising:

- a drill head portion of a sea-bottom core drill, said drill head portion having a frame slideably mounted to a mast;

- a chuck rotatably mounted to said drill head portion for grasping said drill rod; and
- a mechanism for lifting said drill head portion along said frame, while said drill rod is retained in a hole, for extracting said inner tube assembly from said drill rod,

wherein the over-shot assembly is for raising said inner tube assembly through said drill rod.

Claim 5 (**Previously Presented**) The remote operation wire line core sampling device according to claim 3, wherein said upper water input port and said lower water input port are located in a side wall of said water swivel assembly.

Claim 6 (**Previously Presented**) The remote operation wire line core sampling device according to claim 3, wherein

said water swivel assembly has a hollow region passing therein in a first direction; and
said upper water input port and said lower water input port are positioned in a second direction that is perpendicular to the first direction.

Claim 7 (**New**) The remote operation wire line core sampling device according to claim 3, wherein said water swivel assembly accommodates the whole of said over-shot assembly at an intermediate position thereof exactly between said upper water input port and said lower water input port.